

ABSTRACT OF THE DISCLOSURE

A fuel injection and ignition system for an internal combustion engine adapted to apply a power source voltage to an injector, an ignition circuit, an electronic control unit and a fuel pump from a single voltage regulating power source circuit having as a power source a generator driven by the internal combustion engine through a power line and to control a drive current of the fuel pump in a pulse width modulating mode (PWM mode) so as to keep the power line voltage at a value higher than a reference voltage, which is set slightly higher than a voltage corresponding to one higher among the minimum operation voltages for the injector and that for the ignition circuit, in the course where the internal combustion engine starts.